

U.S. Department of Commerce  
Patent and Trademark Office

Atty. Docket No. 28682/71114 Serial No. 09/870239

**Applicant**

Lan, Tie, et al

Filing Date

05/30/2001

## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

U.S. PATENT DOCUMENTS							
*Examiner Initials		Document Number	Issue Date	Name	Class	Subclass	Filing Date if Appropriate
KIM	A107	2,531,427	11/28/50	Hauser			
	A108	2,737,517	03/06/56	Boyd			
	A109	2,924,609	02/09/60	Joyce			
	A110	2,938,914	05/31/60	Joyce			
	A111	2,957,010	10/18/60	Straley, et al.			
	A112	2,966,506	12/27/60	Jordan			
	A113	3,076,821	02/05/63	Hoare			
	A114	3,125,586	03/17/64	Katz, et al.			
	A115	3,232,934	02/01/66	Hoare			
	A116	3,281,434	10/25/66	Turetzky, et al.			
	A117	3,391,164	07/02/68	Straley, et al.			
	A118	3,499,916	03/10/70	Berthold			
	A119	3,514,498	05/26/70	Okazaki, et al.			
	A120	3,544,523	12/01/70	Maxion			
	A121	3,627,625	12/14/71	Jarrett			
	A122	3,646,072	02/29/72	Shaw			
	A123	3,700,398	10/24/72	Cole, Jr.			
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	A125	3,823,169	07/09/74	Staub			
	A126	3,849,406	11/19/74	Basel, et al.			
	A127	3,876,552	04/08/75	Moynihan			
	A128	3,879,283	04/22/75	Mercade			
	A129	4,018,746	04/19/77	Brinkmann, et al.			
	A130	4,064,112	12/20/77	Rothe, et al.			
	A131	4,071,503	01/31/78	Thomas, et al.			
	A132	4,081,496	03/28/78	Finlayson			
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	A135	4,161,578	07/17/79	Herron			
	A136	4,163,002	07/31/79	Pohl, et al.			
	A137	4,208,218	06/17/80	Finlayson			
	A138	4,219,527	08/26/80	Edelman, et al.			
	A139	4,239,826	12/16/80	Knott, II, et al.			
	A140	4,391,637	07/05/83	Mardis, et al.			
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



For PTO Form 149 (Modified) <b>PATENT &amp; TRADEMARK OFFICE</b>	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 28682/71114	Serial No. 07879,239
	<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</b>	Applicant Lan, Tie, et al	JUL 2 2002 TC 1700
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*Examiner Initials		Document Number	Issue Date	Name	Class	Subclass	Filing Date if Appropriate
KWL		A148	4,442,163	Kühner, et al.			
		A149	4,450,095	Finlayson			
		A150	4,482,695	Barbee, et al.			
		A151	4,517,112	Mardis, et al.			
		A152	4,536,425	Hekal			
		A153	4,546,126	Breitenfellner, et al.			
		A154	4,595,715	Kuze, et al.			
		A155	4,600,409	Campbell			
		A156	4,646,925	Nohara			
		A157	4,677,158	Tso, et al.			
		A158	4,680,208	Aoki, et al.			
		A159	4,720,420	Crass, et al.			
		A160	4,725,466	Crass, et al.			
		A161	4,742,098	Finlayson, et al.			
		A162	4,769,078	Tao			
		A163	4,946,365	Kudert, et al.			
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		A165	4,983,432	Bissot			
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		A168	5,028,462	Matlack, et al.			
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		A171	5,110,501	Knudson, Jr., et al.			
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		A173	5,153,062	Grolig, et al.			
		A174	5,153,061	Cavagna, et al.			
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		A177	5,134,987	Kim, et al.			
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		A180	5,340,884	Mills, et al.			
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Examiner <i>Katarzyna Hynor-Blaslee</i>	Date Considered <i>2/6/03</i>
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For PTO-1449 (Modification)

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**SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT****U.S. PATENT DOCUMENTS**

*Examiner Initials		Document Number	Issue Date	Name	Class	Subclass	Filing Date if Appropriate
KWL	A189	5,620,774	04/15/97	Etchu, et al.			
	A190	5,648,159	07/15/97	Sato			
	A191	5,660,761	08/26/97	Katsumoto, et al.			
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	A193	5,728,764	03/17/98	Bauer, et al.			
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KWL	A212	6,254,803	07/03/01	Matthews, et al.			

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*Examiner Initials		Document Number	Publication Date	Country	Class	Subclass	Translation
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	B28	2123014	01/25/84	United Kingdom			
	B29	WO 84/03096	08/16/84	PCT			
	B30	EP 186456	07/09/86	Europe			
	B31	EP 0202532	11/26/86	Europe			
	B32	JP 62073943	04/04/87	Japan (abstract)			
	B33	EP 261430	03/30/88	Europe			
	B34	EP 278403	08/17/88	Europe			
	B35	DE 3806548	09/15/88	Germany (abstract)			
	B36	DE 3808623	10/06/88	Germany (abstract)			
	B37	EP 295336	12/21/88	Europe			
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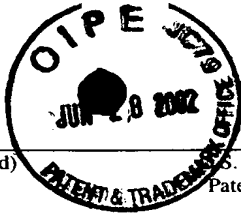
Examiner

*Katarina Hymrek-Slater*

Date Considered

*2/6/2003*

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Group

2004

**SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT****FOREIGN PATENT DOCUMENTS**

*Examiner Initials		Document Number	Publication Date	Country	Class	Subclass	Translation
KWL	B40	EP 542266	05/19/93	Europe			
	B41	WO 93/14922	08/05/93	PCT			
	B42	EP 0590263	04/06/94	Europe			
	B43	WO 94/11430	05/26/94	PCT			
	B44	WO 94/29378	12/22/94	PCT			
	B45	JP 7026123	01/27/95	Japan (abstract)			
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Examiner

Katarzyna Wymorelska

Date Considered

2/6/03

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		Applicant Lan, Tie, et al.	
		Filing Date 05/30/2001	Class 1714

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	C28	Ke et al., "Crystallization, Properties, and Crystal and Nanoscale Morphology of PET-Clay Nanocomposites," <i>J. Appl. Polym. Sci.</i> , <u>71</u> , 1139-1146 (1999)
	C29	Kawasumi et al., "Preparation and Mechanical Properties of Polypropylene-Clay Hybrids," <i>Macromolecules</i> , <u>30</u> , 6333-6338 (1997)
	C30	Usuki et al., "Synthesis of Propylene-Clay Hybrid", <i>J. Appl. Polym. Sci.</i> , <u>63</u> , 137-139 (1997)
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	C34	Messersmith et al., "Syntheses and Barrier Properties of Poly(e-Caprolactone)-Layered Silicate Nanocomposites," <i>J. of Polym. Sci.</i> , <u>33</u> , 1047-1057 (1995)
	C35	Pinnavaia et al., "Clay-reinforced Epoxy Nanocomposites," <i>Chem. Mater.</i> , <u>6</u> , 2216-2219 (1994)
	C36	Fukushima et al., "Swelling Behavior of Montmorillonite by Poly-6-Amide," <i>Clay Minerals</i> , <u>23</u> , 27-34 (1988)
	C37	Verbicky, <i>Encyclopedia of Polymer Science and Engineering</i> , 2 <sup>nd</sup> Edition, <u>12</u> , 364-383 (1988)
	C38	Fukushima et al., "Synthesis of an intercalated Compound of Montmorillonite and 6-Polyamide," <i>J. Inclusion Phenomena</i> , <u>5</u> , 473-482, (1987)
	C39	Okada et al., "Synthesis and Characterization of a Nylon 6-Clay Hybrid," <i>ACS, Polymer Preprints</i> , <u>28</u> , 447-448, (1987)
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